Metal Bellows Coupling KM

- 6-corrugation bellows
- Simple installation with EASY-clamping hub
- Cost-effective standard series

Smaller couplings from 0.4 Nm - 12 Nm, see MKM.

Please note reduced tightening torque for bigger hub bore diameter - see also Ø D 1/2max.

Tightening torque refers to screws.

Dimensions in mm. Length dimensions according to DIN ISO 2768 cH.

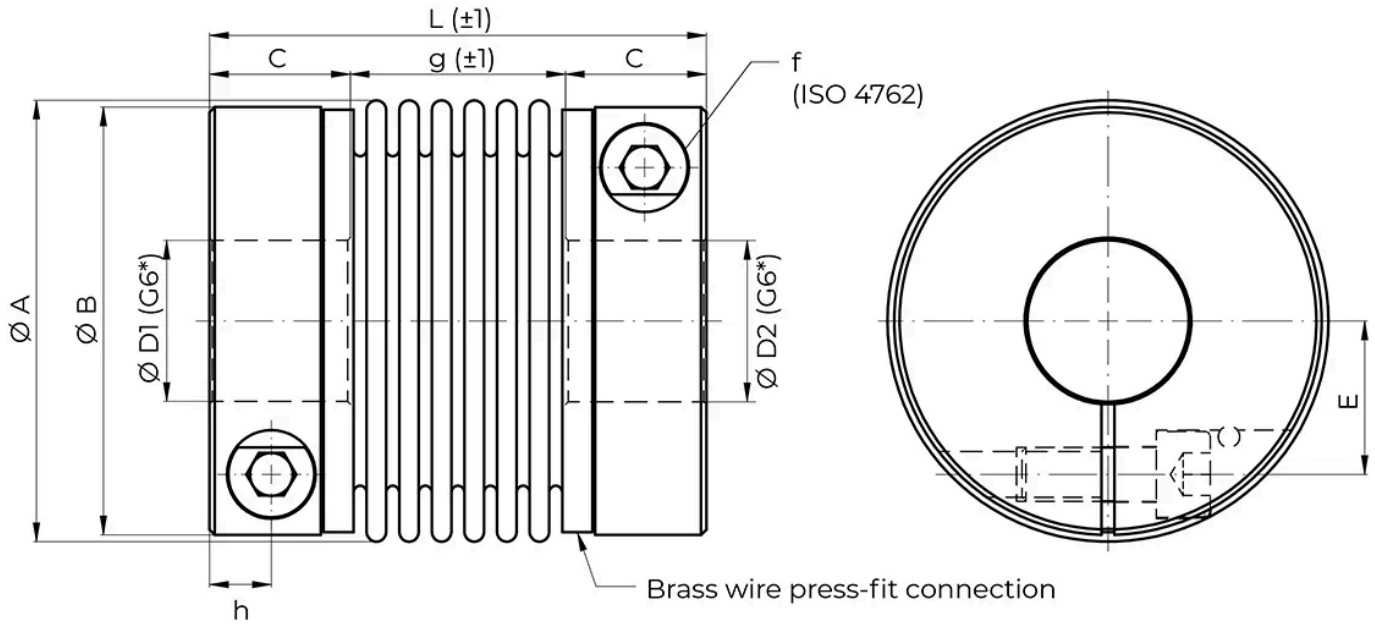
Material: Bellows: stainless steel Hubs: high-tensile strength aluminiume Clamping screws: ISO 4762 - 12.9 Press-fit wire: brass
Temperature range (°C): –20° to +120°C

General Data

Designation	Nominal Torque (Nm)	Max. Torque (Nm)	Moment of inertia (10^{-6}kg*m²)	Torsional stiffness (Nm/arcmin)	Axial max. shaft misalignment (mm)
KM20	20	40	0.14	5.2	0.8
KM35	35	70	0.14	5.8	0.8
KM60	60	120	0.29	8.7	0.9
KM80	80	160	0.79	14	1
KM170	170	340	0.83	17	1
KM270	270	540	2.2	32	1
KM400	400	600	2.4	47	1
KM600	600	900	5.3	67	1
KM900	900	1800	9	105	1
KM1300	1 300	2600	14	170	1

Designation	Lateral max. shaft misalignment (mm)	Axial spring rate (N/mm)	Lateral spring rate (N/mm)	Tightening Torque (Nm)	Max. Speed (rpm)	Weight (kg)
KM20	0.25	51	190	14	20 000	0.3
KM35	0.25	51	190	14	20 000	0.3
KM60	0.3	49	260	30	17 000	0.41
KM80	0.3	45	280	50	14 000	0.8
KM170	0.3	80	470	50	14 000	0.8
KM270	0.3	70	450	90	11 000	1.4
KM400	0.3	100	640	90	11 000	1.5
KM600	0.3	100	980	140	9 000	2.4
KM900	0.3	145	1 000	180	8 500	3.3
KM1300	0.3	130	920	240	7 000	4.2

Dimensions



*Other bore tolerances on request.

Designation	Nominal Torque (Nm)	A	B	L	C	g	f	E	ØD1/2 min.
KM20	20	56	-	70	20	30	M6	19	8
KM35	35	56	-	70	20	30	M6	19	10
KM60	60	66	63	77	22	33	M8	22	13
KM80	80	82 (±0.8)	79.5	90	26	38	M10	28.5	16
KM170	170	82 (±1)	79.5	92	26	40	M10	28.5	18
KM270	270	101 (±1)	99	100	29	42	M12	35	25
KM400	400	101 (±1)	99	106	29	48	M12	35	28
KM600	600	122	-	120	34	52	M14	42	32
KM900	900	133	-	143	45	53	M14	47	40
KM1300	1 300	157 (±1.5)	145	145	45	55	M16	54	48

Designation	ØD1/2 max.
KM20	32
KM35	32
KM60	35
KM80	43
KM170	43
KM270	55
KM400	55
KM600	68
KM900	75
KM1300	85